

METHOD AND APPARATUS FOR PROVIDING A QUALITY OF SERVICE PATH THROUGH NETWORKS

ABSTRACT OF THE DISCLOSURE

A core network that includes a number of relay nodes and edge nodes,
5 intercoupled by network links, interconnects a plurality data transfer entities through gateway
elements. Each gateway element is allocated a portion of the data communicating (QoS)
resource of certain of the links, and maintains information of that allocation. When a
gateway receives a request for a data transfer from a data transfer entity with a particular
communicating resource requirement, it will check its associated information to determine of
10 the allocated resource is sufficient. If not, the gateway may ask for a reconfiguration of
resources that re-allocate communicating resource from one gateway element to the asking
gateway element.

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